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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION V
POLLUTION REPORT

I3
9/22/95

DATE: SEPTEMBER 22, 1995

FROM: PETE GURIA, OSC, RESPONSE SECTION 2, CHICAGO, IL

TO:

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CHICAGO FIRE DEPARTMENT.....(VIA-FAX)

SUBJECT: DAVID CHEMICAL SITE, REMOVAL ACTION, CHICAGO, IL

LATITUDE: 41°52'09.3" LONGITUDE: 87°44'30.4"

POLREP NO.: 13

SITE ID NO.: XG DELIVERY ORDER NO. : 5001-05-356

RESPONSE AUTHORITY: CERCLA NPL STATUS: NON-NPL

START DATE: **OCTOBER 18, 1994**

COMPLETION DATE:

1. SITUATION:

- A. Between 2/9/95 and 2/22/95 U.S. EPA conducted sampling of 20 concrete cores and 102 soil samples to determine the extent of contamination at the David Chemical (DC) site. Results of this study showed chromium contamination of concrete floor of up to 16.5 ppm TCLP, soil up to 11.1 ppm TCLP and concrete masonry up to 102 ppm TCLP. From the high results obtained during this investigation it was determined that a removal of these contaminated materials would be necessary.
- B. After review of extent of contamination study findings, and after PRPs refused to conduct removal actions to remove contaminated soil and building materials, U.S. EPA mobilized to the DC site on 9/11/95 to demolish building and dispose of chromium contaminated concrete and soil.
- C. Round-the-clock armed security was procured to guard site and protect crew. 24 hour patrol begins on 9/15/95. The building appeared to have been entered during site inactivity; however, no vandalism or theft appears to have taken place. Since security service began, site has remained secure.
- D. Command post is established in the former decon room of the completed Harrison Sheet Steel (HSS) site, which is located approximately 200 feet east of DC. Power, telephone, and water hook-ups were completed week of 9/15.

2. ACTIONS TAKEN:

- A. ERCS T&D coordinator and OSC conduct site walk-through on 8/28/95. Disposal/Treatment options were discussed during walk-through.
- B. OSC, RM, ERCS T&D coordinator, and ERCS health and safety manager met 9/11 on site to tour site and discuss strategies for building demolition.
- C. Office trailer is moved to HSS site's former decon room 9/12/95. TATM Mangini and RM delineate areas inside building that will be sampled for treatment study by the disposal facility EnviroSafe Services of Oregon, OH.
- D. Samples of worst case scenario for concrete and soil contamination are collected by ERCS field technician and TAT. Three quarts of contaminated concrete flooring are chiseled utilizing a pneumatic jackhammer and placed in sample containers. Soil samples are collected with stainless steel soil sampler at depths from 0 to 2-feet and placed into 3 1-quart jars. Samples collected and shipped to T&D facility on 9/13/95.
- E. With connection of power on 9/12, connection of phone lines on 9/13, and connection of water service on 9/18 command post set-up is complete.
- F. On 9/18 track hoe is delivered to site.
- G. Demolition of walls begins 9/19 utilizing backhoe. Demolition continues thru 9/21.
- H. Approval by EnviroSafe and the Ohio Environmental Protection Agency granted on 9/20. ERCS T&D coordinator begins scheduling shipments.
- I. Spielman, Inc. has been selected for disposal of the non-haz demolition wastes. Spielman begins delivery of roll-off boxes 9/19. As of 9/21, 18 roll-off boxes have been shipped off site.

3. PLANS:

- A. TAT will finalize sampling plan to assist in establishing background levels of inorganics. TAT will then conduct sampling to determine background levels for the DC site. The results of this sampling will help determine clean up action levels.
- B. Crew to work through weekend in an attempt to complete removal of all contamination and to backfill all areas of excavation by 10/1.

4. KEY ISSUES:

- A. Traffic control will be required during demolition activities on site. The parking lane on the south side of Fifth Ave. has been cordoned off and vigil will be kept by site and security personnel to insure passersby and traffic are not endangered by demolition activities.
- B. Confirmatory sampling is scheduled for week of 9/29. If sampling indicates that further excavation will be needed, this will cause project to extend beyond 10/1.

C. Weather has been cool, between 50-65° F, and rainy. This has not impeded work and has suppressed dust; however if thunder storms should strike, work will be stopped and project may be delayed.

5. COSTS:

A. Case open;

B. Costs through 09/19/95;

| | <u>BUDGETED</u> | <u>TOTAL to DATE</u> | <u>REMAINING</u> |
|------------|---------------------------|----------------------|------------------|
| ERCS | \$ 988,225 ⁽¹⁾ | \$ 727,957.68 | \$ 260,267.32 |
| TAT | 150,000 | 97,175.08 | 52,824.92 |
| USEPA-DIR | 44,550 | 25,350.00 | 19,200.00 |
| USEPA-INDR | 82,350 | 51,423.65 | 30,926.35 |
| TOTALS | \$1,265,125 | \$ 901,906.41 | \$ 363,218.59 |

(1) Includes a delivery order ceiling increase of \$280,000, Received 2/1/95.

END